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« Atoms For Peace »  
1953 - 2003

Young Generation

# Introduction (1)

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What to say in front of an audience of experts?  
How to contribute to the existing dialogue?

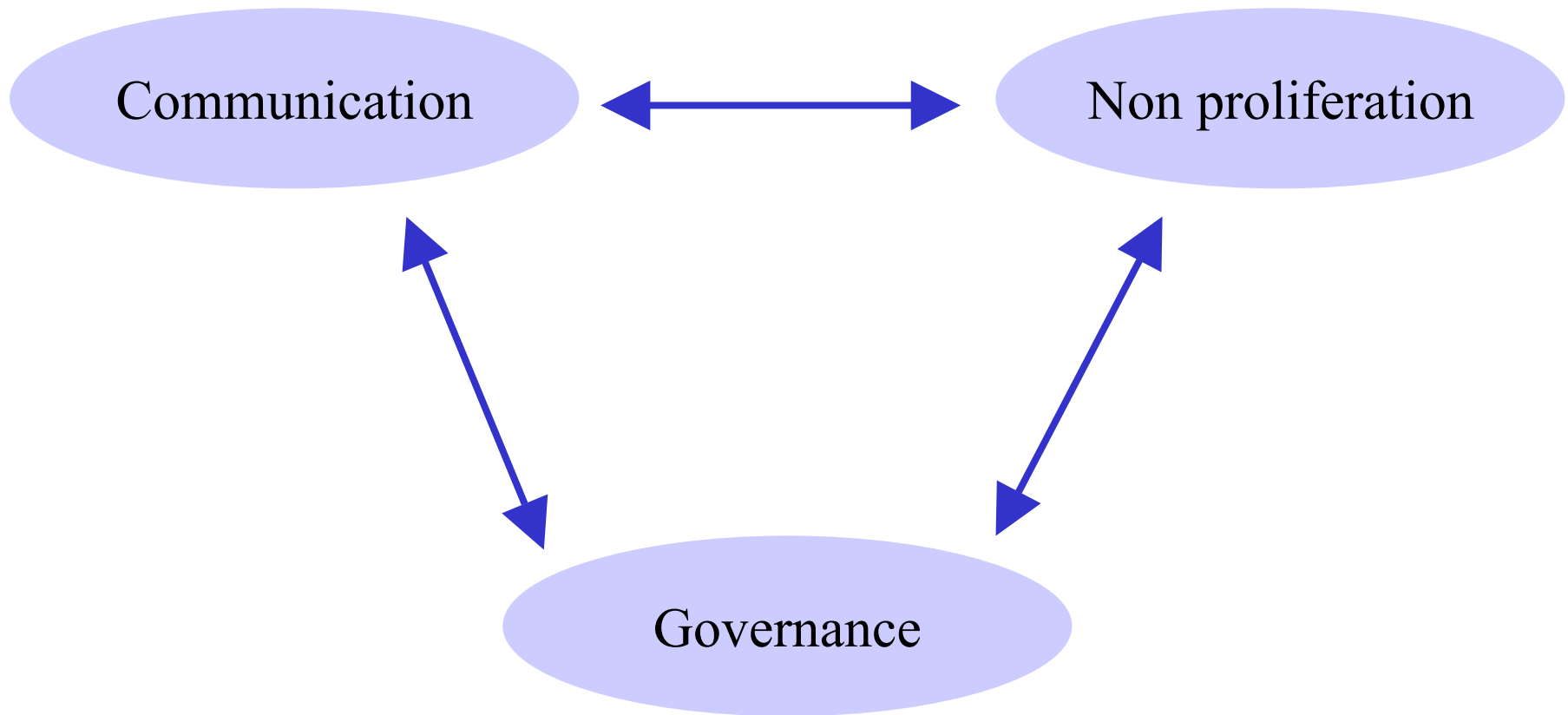


Future:

- Acces to energy & technology for all
- International energy equilibrium
- Less fear of nuclear

## Introduction (2)

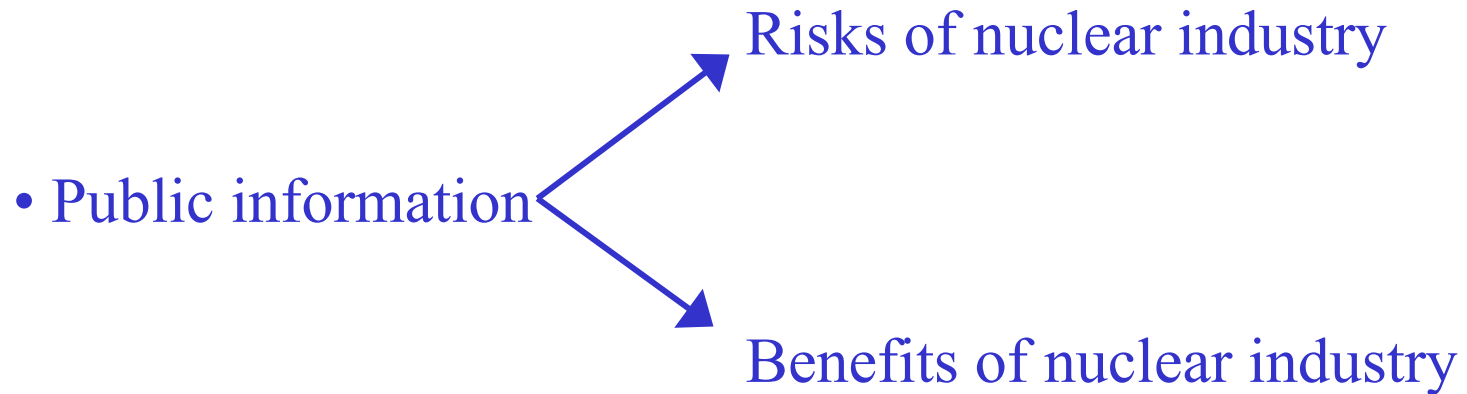
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# Communication (1)

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- Constant improvement over the past few years



- Regular communication with regard to both major and minor advances in pertinent relevant areas

# Communication (2)

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- Find effective and credible approaches
  - ⇒ make the information accessible
  - ⇒ use of powerful images
- Civil nuclear industry
  - ⇒ research advances concerning waste
  - ⇒ determination to enhance NPPs safety
- Military nuclear industry
  - ⇒ international decisions
  - ⇒ non proliferation measures

# Non-proliferation: technical aspects (1)

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The development of nuclear energy relies on political commitment to expand its civil use to the world scale

- Interesting technical solutions for non-proliferation
  - ⇒ high degree of degradation of the isotopic vector of the fuel
  - ⇒ solutions complicating the recovery phase of fissile material
  - ⇒ inseparable mixture of Pu, Am, Cm & Np while reprocessing

# Non-proliferation: technical aspects (2)

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Safety / security / economy

⇒ international research program such Gen IV

Other points to focus on:

⇒ enrichment processes

⇒ monitoring and tracking proliferating materials

⇒ restricting transport

⇒ ensuring proper storage and surveillance

# Non-proliferation: governance aspects (1)

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## NPT objectives

- ⇒ regulating the possession of nuclear weapons
- ⇒ implementing and monitoring the transfer of technology to the nuclear civil industry

## NPT effective thus far

< 10 nations with nuclear weapons



# Non-proliferation: governance aspects (2)

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How can we support and improve upon the efforts to date?

⇒ dialogue between the “threshold” countries of 30 years ago and the “threshold” countries of today.

⇒ cooperation ethic charter

⇒ ensure equitable treatment for all nations involved in non proliferation

⇒ legislation and role of international authorities

# Conclusion (1)

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- Much work lies ahead in the meantime
  - Communication with the public
  - Technological research
  - Work on International diplomacy and institution
- Young generation needs leading projects (small cathedrals) to identify to.



## Conclusion (2)

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*President D. Eisenhower « Atoms for Peace » speech:*

“ So my {our country's purpose is to help {the world us to move out of the dark chamber of horrors into the light, to find a way by which the minds of men, the hopes of men, the souls of men everywhere, can move forward towards peace and happiness and well-being. ”

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